20000517.ba v02_n895.bam.20000517

>From ???@??? Wed May 17 20:28:40 2000 -0500
Message-Id: <200005180126.e4I1Qfs13857@sco.theporch.com>
Date: Wed, 17 May 2000 20:25:45 CDT
From: Old Tube Radios <boatanchors@theporch.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BOATANCHORS digest 2895

BOATANCHORS Digest 2895

Topics covered in this issue include:

 1) RE: RCA ACR-136 (anyone know this rig?)
 by Merz Donald S <merz.ds@mellon.com>
 2) Re: 24vdc relay operate on 12 vdc?
 by "David L. Stinson" <arc5@ix.netcom.com>
 3) Re: 24vdc relay operate on 12 vdc?
 by Gary Schafer <gschafer@mediaone.net>
 4) UTC transformers
 by "Rhett T. George" <rtg@ee.duke.edu>
 5) 24voly relays
 by "w2tu" <w2tu@email.msn.com>
 6) Freebe Model 28 teletypes
 by Paul Thekan <Paul.Thekan@eimac.cpii.com>
 7) Re: 24vdc relay operate on 12 vdc?
 by "Bob Duckworth" <wb4mnf@atl.org>
 8) Barry Briskman K2IEG
 by brian.harris_2@philips.com
 9) Navy Receiver Anybody interested??
 by "John K9UWA" <k9uwa@cris.com>
 10) GR-64 SCHEMATIC
 by Robert.Herendeen@infineon.com
 11) FS: TR-4/MS-4/AC-3, or with RV-3
 by Al Parker <anchor@coastalnet.com>
 12) Re: 24vdc relay operate on 12 vdc?
 by AAFRadio@erols.com
 13) Re: 24vdc relay operate on 12 vdc?
 by "Hue Miller" <kargokult@proaxis.com>
 14) Need manuals/schematics/info
 by MODSTEPH@ACS.EKU.EDU
 15) Re: 24vdc relay operate on 12 vdc?
 by W7QHO@aol.com
 16) 24vdc fm 12 vdc - charge pumps
 by polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
 17) Re: Mk II tripod ?????
 by David Prince <davprin@gil.com.au>
 18) RCA- ACR-136

 by philip mccoy <dgnova@erols.com>
 19) ADMINISTRIVIA: Changing Email Addresses
 by listown@jackatak.theporch.com (Mail List Owner)
 20) Re: My query about operating 24v relays on 12v
 by "Herbert M. Rosenthal" <herbrose@lobo.net>
 21) Fw: 3cx1200a7 needed
 by "ron croucher vk4cro" <roncroucher@powerup.com.au>
 22) connectors needed
 by Randy Zelick <rzelick@inetarena.com>
 23) Dead VOM
 by "John Gibson" <gibsonj@mindspring.com>

Message-ID: <20000516150227.8922.qmail@mellon.com>
From: Merz Donald S <merz.ds@mellon.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: RCA ACR-136 (anyone know this rig?)
Date: Tue, 16 May 2000 10:58:22 -0400
MIME-Version: 1.0
Content-Type: text/plain

At one time or another, I have owned just about all of the RCA radios sold into the amateur market before the war. The ACR-136 is probably the most straightforward of these with no mechanical or electrical design elements that could be called unique. I liked the radio and the one I had performed reasonably well at the lower frequencies. The airplane dial with the curved glass over it is pretty classy.

The other pre-war RCA amateur receivers, the ACR-155 and -175 both have some truly odd design choices. I always get the numbers confused, but one of them has a dummy tuning eye on one side to make the front panel look symmetrical. The other one is in a strange 22" wide cabinet with sloping corners. The front panel is gray and it uses the dial mechanism from the AR-60. This cabinet was the same one that RCA put their small ham transmitter in--the ACT-20.

I have the gray one sitting on the project pile. Someone converted it to use "modern" miniature tubes at some point and I want to restore it to original. They just left the original tube sockets in place, ran small wires out the socket pin holes and mounted the miniature sockets on standoffs directly above the old tube sockets--very strange.

I also have the RCA ACT-40 transmitter which is quite a fine pre-war BA TX. They spared no expense on this rig and it shows.

I suspect that some folks regarded RCA in the 30's the way we regard Microsoft today. Many must've felt that RCA equipment had the "Radio Trust" stigma attached to it. But RCA built some very competitive gear. Had there

not been a depression, and had RCA not been swinging big profits from their other business lines, I think they would have been a force in the amateur market.

73, Don

> -----Original Message-----
> From: Dave Hollander [SMTP:davidh@getnet.com]
> Sent: Tuesday, May 16, 2000 1:47 AM
> To: Old Tube Radios
> Cc: Old Tube Radios
> Subject: Re: RCA ACR-136 (anyone know this rig?)
>
> Hi Jon - congrats on your unusual find. I don't recall seeing anything
> on this list on the early RCA's with the exception of the AR-88 and it's
> variations.
>
> I have an RCA ACR-175 on my bench right now. Picked it up on Ebay last
> fall. It is working fine except for the BFO. The manual that came with
> it came from A.G. Tannenbaum so you might want to check them out. The
> mechanical construction of my radio is very strange. The components and
> construction look just like the ones in the RCA 5T tombstone I did last
> year. I also found an ad for mine on the back cover of a 1936 QST. Looks
> like RCA had the back cover of QST throughout the 1930's showing
> receivers, transmitters and tubes.
>
> Here is the back cover of a 1936 QST showing the RCA-175
>
> http://www.getnet.com/~davidh/acr175.jpg
>
> Doe anyone in this group have any of the pre-war RCA's (not AR-88 type)
> and care to share the comments?
>
> 73,
> Dave N7RK
>
> --
> **
>
> Dave N7RK - Webmaster CADXA
> Phoenix, Arizona *DXCC Honor Roll* *WAZ#23 - 75 Meter SSB*
>
> ex-XE2/N7RK, N7RK/ZB2, VK2ERK, ZM0AJN, WB6NRK, WN6IWX
>
> Boatanchor Collector Extraordinaire preferring Hallicrafters, National
> and what ever else looks interesting!
>

> E-Mail: davidh@getnet.com My Home Page: http://www.getnet.com/~davidh
>
> Visit the Central Arizona DX Association Home page - http://cadxa.org

Message-ID: <39216C8A.76C9FD76@ix.netcom.com>
Date: Tue, 16 May 2000 10:43:06 -0500
From: "David L. Stinson" <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 24vdc relay operate on 12 vdc?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just an idea:

Cut a piece of that rubberized refrigerator magnet
material. Stick it to the relay armature. You'll
have to try it first to make sure the magnet is
facing the right way. The extra magnetic field
aiding the DC electromagnet
should give you the "oomph" to pull in the contacts.
I haven't tried it, but it ought to work.

73 Dave S.

Message-ID: <392171ED.5FD50705@mediaone.net>
Date: Tue, 16 May 2000 12:06:06 -0400
From: Gary Schafer <gschafer@mediaone.net>
MIME-Version: 1.0
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 24vdc relay operate on 12 vdc?
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
To: Old Tube Radios <boatanchors@theporch.com>

I use 24 volt relays a lot from lower voltage supplies. The easiest way is to make a simple voltage doubler from the 12 volt ac filament supply. (you are using tubes aren't you?) If you do not have 12 vac available it is easy to add a little 12 vac transformer with the doubler. This is still a lot easier than an inverter or what ever. If you only have dc available and no way to run a small transformer then charging a capacitor and momentarily switching it in series as a couple of others have mentioned. Only thing is the switching gets a little more complicated. I have even used a voltage tripler from 6 vac.

73
Gary K4FMX

From: "Rhett T. George" <rtg@ee.duke.edu>
Date: Tue, 16 May 2000 13:03:21 -0400
Message-Id: <200005161703.NAA01230@champ.ee.duke.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: UTC transformers

 - Greetings -

To the person asking about the LS-19 and LS-25 transformers, my
wiring info is that both are interstage transformers, ordinarily
p-p plates to p-p grids. Hope this helps.

73 Rhett - KE4HIH

Message-ID: <004101bfbf5d$7ceaf560$8b58143f@W2TU>
From: "w2tu" <w2tu@email.msn.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 24voly relays
Date: Tue, 16 May 2000 13:37:57 -0400

Hi all:
 Just a quick addition to the many fine suggestions. Don't forget, the no load voltage of many so-called 12 volt supplies is 16-20 volts or more. This surge many times is enough to pull in the relay before settling down and once in, as mentioned, no problem holding. The old 12 volt plug in supplies that came with various appliances (lights,portable tools, chargers for radios,etc.) all will work reasonably well with one or two small relays.
 Obviously the larger the relay the more current required to pull-in and also hold.

73

Paul B. W2TU

Message-Id: <4.2.0.58.20000516111304.00985e70@eimac.cpii.com>
Date: Tue, 16 May 2000 11:19:09 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Paul Thekan <Paul.Thekan@eimac.cpii.com>
Subject: Freebe Model 28 teletypes
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello all

 I have two Model 28 teletypes , receive only - no keyboard , floor mounted on stand. Also some paper . Free for pickup only here in the San Francisco Bay area , Redwood City to be exact.

Thank you
Paul
N6FEG

Message-Id: <200005161822.OAA09735@hat-trick.atl.org>
From: "Bob Duckworth" <wb4mnf@atl.org>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 24vdc relay operate on 12 vdc?
Date: Tue, 16 May 2000 14:21:58 +0100

Has anyone tried using the cap trick to apply
double voltage for faster pull in, say for break in keying
in an amp.
-bob

From: brian.harris_2@philips.com
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Barry Briskman K2IEG
Message-ID: <0056910005051987000002L172*@MHS>
Date: Tue, 16 May 2000 13:26:40 -0500
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1; name="MEMO 05/16/00 13:31:46"
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline

As part of my ongoing Cosmophone research I am trying to locate Barry B=
riskman, ex-K2IEG. This call is no longer valid according to QRZ. Doe=
s anyone know of him? I will appreciate any info.

Brian Harris WA5UEK
Senior Field Application Engineer

Philips Semiconductors =20
1755 N. Collins Blvd. Suite 201
Richardson, Texas 75080 USA =20
Phone 972-644-1610
Fax 972-480-9617

Cell 214-763-3933
EMAIL brian.harris_2@philips.com
=

Message-Id: <200005162201.SAA20766@marconi.concentric.net>
From: "John K9UWA" <k9uwa@cris.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 16 May 2000 17:06:08 -0500
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Navy Receiver Anybody interested??

AN/SRR-13A large heavy boatanchor receiver.....untested.....just picked it up a couple of weeks ago at an estate auction.....I can bring it to Dayton if anyone wants it.....everything else I fired up from this estate sale has worked...so maybe this one will too??...not too crazy about trying to ship it....
John K9UWA

John Goller, K9UWA & Jean Goller, N9PXF
Antique Radio Restorations
k9uwa@arrl.net
k9uwa@cris.com
k9uwa@concentric.net
Visit our Web Site at:
http://www.JohnJeanAntiqueRadio.com

From: Robert.Herendeen@infineon.com
Message-ID: <9D975BDAF4ADD311AED80008C7915FD48BFE3F@ca02exch5.SMI.Siemens.COM>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: GR-64 SCHEMATIC
Date: Tue, 16 May 2000 16:12:24 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"

Fellow tubers,
Do any of you have a schematic for the Heath GR64 that they would be willing to send a copy of? This appears to be a an upgrade of the old AR-3 general coverage receiver with 12 volt all-American Fives.
I will cover costs.
Thanks,
Bob/W6JZR

Message-Id: <3.0.6.32.20000516201306.0090ac90@mail2.coastalnet.com>
Date: Tue, 16 May 2000 20:13:06 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Al Parker <anchor@coastalnet.com>
Subject: FS: TR-4/MS-4/AC-3, or with RV-3
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

I need to reduce the "inventory" around here. Too many new things to enjoy have come in lately. These units are all operating fine, and have been used by me off & on for several months, or more.

TR-4 - s/n 32358, nice panel, no scratches, case has been resprayed, looks very good. Has good finals, full output on all bands. Recently fully aligned. Inside has been cleaned, but some black spotting. A previous owner has put 3 or 4 small red dots on the 10m portion of the dial, I guess to indicate his limits.

MS-4 - case has been resprayed, looks very good. Missing the MS-4 logo, but it is an MS-4 (11-5/8" lg). Has a replacement speaker in it.

AC-3 - good, in use.

RV-3 - nice panel & case, no scratches. Not sure if switch knob is original, it's slighly bigger than the one on my RV-4 (which is my replacement for the RV-3).

Prices--
TR-4 w/MS-4/AC-3 and manual copy $275
TR-4 w/RV-3/AC-3 and manual copy $325

RV-3 only, if TR-4 is sold first, $85
all prices plus shipping

73,

Al, W8UT
New Bern, NC
BoatAnchors appreciated here
anchor@coastalnet.com

And remember; "-They don¥t make tubes nowadays like they used to..."

Message-ID: <3921F6FD.75B90583@erols.com>
Date: Tue, 16 May 2000 21:33:49 -0400
From: AAFRadio@erols.com
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 24vdc relay operate on 12 vdc?
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

"David L. Stinson" wrote:
>
> Just an idea:
> Cut a piece of that rubberized refrigerator magnet
> material. Stick it to the relay armature. You'll
> have to try it first to make sure the magnet is
> facing the right way. The extra magnetic field
> aiding the DC electromagnet
> should give you the "oomph" to pull in the contacts.
> I haven't tried it, but it ought to work.

A clever idea, Dave! We used that approach on computer printer
magnetics (along with reversing field pulse coils and stiff springs)
when I worked at IBM's IO development lab in Boca Raton back in the
early 70's. Takes some very time consuming balancing of forces,
however. The key is to keep some kind of air gap in the magnetic
circuit, because if you let it go to zero, it takes quite a force to
unstick the armature from the permanent magnet.

73,
Mike Hanz

Message-ID: <003001bfbfaf$5b49abc0$9fc76ac6@oemcomputer>
From: "Hue Miller" <kargokult@proaxis.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: 24vdc relay operate on 12 vdc?
Date: Tue, 16 May 2000 20:24:02 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: Bob Duckworth <wb4mnf@atl.org>

|24V relay on 12V circuit of the charge cap to pull in, then hold scheme is
|found

Hmmm......a manual throw switch to operate a relay.
I missed this obvious solution.
Back to the drawing board.
Hue

Date: Tue, 16 May 2000 23:26:50 -0400 (EDT)
From: MODSTEPH@ACS.EKU.EDU
Subject: Need manuals/schematics/info
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <01JPHGZUJ3IQ005EDG@ACS.EKU.EDU>
MIME-version: 1.0
Content-type: TEXT/PLAIN; CHARSET=US-ASCII

Gang:

 Just when I was getting some room in the basement...

 A couple of estates later: need some help for restoration and repair: National NC-303, NC-155 receivers, BC-348, Invader 2000, transmit units for PRC-9 and PRC-10.

 And another Lysco! The "new" one is the 600S Transmaster, one with a modulator. And that just after picking up another Ranger, a Globe Chief 90A and an S-40A at a hamfest...

 Looks as though I'll be selling again - need the room - but can use help (papers) on the receivers, including the S-40A, and on the Johnson Invader 2. Happy to pay copying charges, postage, etc.

 TIA,

 73, Al N5AIT
 modsteph@acs.eku.edu
000

From: W7QHO@aol.com
Message-ID: <27.5abe386.265385b6@aol.com>
Date: Wed, 17 May 2000 01:18:46 EDT
Subject: Re: 24vdc relay operate on 12 vdc?
To: Old Tube Radios <boatanchors@theporch.com>
CC: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 00-05-16 23:12:16 EDT, you write:

<<
 |24V relay on 12V circuit of the charge cap to pull in, then hold scheme is
 |found

Hmmm......a manual throw switch to operate a relay.
I missed this obvious solution.
Back to the drawing board.
Hue
>>

It can be done with a DPDT switch, one cap, one diode and one resistor (to limit the charging curent). Ckt. hard to describe in words and no graphics capability here.

Dennis D. W7QHO

Date: Wed, 17 May 2000 03:04:58 -0400
From: polepeeg@aa4rm.ba-watch.org (Marty's Refl. Drop)
Message-Id: <200005170704.DAA02380@aa4rm.ba-watch.org.>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: 24vdc fm 12 vdc - charge pumps

Unitrode makes these ICs. Literally takes 2 cap.s & charges one while other discharging & in series with Vcc (12V). Charge pump.

These were around 10yrs before KenRad stopped sucking 5U4s & 35W4s in Owensboro, KY... home of huge whiskey whse fire 2 wk.s back

FYI, KenRad => Ky Radio

Any readers presently stricken with five euphoria? If so, I'm looking @ a 12-63 USAF box that tells the coming world-nation that they're similar to a CV575.

Message-ID: <39224F04.831A37CF@gil.com.au>
Date: Wed, 17 May 2000 17:49:24 +1000
From: David Prince <davprin@gil.com.au>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Mk II tripod ?????
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

G'day Paul and the Group,

The tripod is a British design for use with either a heliograph signalling device or a Signalling Lamp such as a Lucas lamp.

Cheers
Dave Prince

Paul Thekan wrote:
>
> Hello to the group
>
> I have a tripod stand with wooden legs that stands approx. 40 inches
> tall with the legs folded together. I think it is of Canadian mfg. and is
> dated 1943. On the metal bracket leg supports it is inscribe.......Stand
> Lamp or Helio "A" Mk II 1943 MIS-CAN-ADA Ltd.
> Was this stand part of some type of visual signaling device??? I had
> hoped it would fit onto my BC 1003 but no luck there.
>
> Thankyou
> Paul
> N6FEG

--
Dave Prince VK4KDP
Ipswich, Queensland, Australia
davprin@gil.com.au
http://www.home.gil.com.au/~davprin

Message-ID: <39233D4E.934D471B@erols.com>
Date: Wed, 17 May 2000 20:46:06 -0400
From: philip mccoy <dgnova@erols.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RCA- ACR-136
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have uploaded the schematic and alignment instructions for the RCA
receiver
type ACR-136 on my web site at >>http://www.qsl.net/w3sak. The files
are in PDF(Adobe) format.

This is a typical RCA product. It is a take off of one of their domestic
receivers.
Remember that the 1930s domestic receivers, which covered the short wave
bands,
 were sometimes designed and built at least as good as
currant communications receivers or even better..

Message-Id: <200005171615.e4HGF1b22923@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Changing Email Addresses
Date: Wed, 17 May 2000 11:15:00 CDT

Gang-

This periodic post is intended to help subscribers whose email address has changed, preventing posting or receipt of the list.

If you change ISP (InterNet Service Provider), simply send me an email advising the change, and I will do my best to implement the change quickly.

For those unfortunates, whose ISP has made a change without advising their customers of the potential impact of that change on subscribers to email lists like the boatanchors, where one must be a subscriber to post to the list, try to follow along...

Under some circumstances, the changes to your email address are "transparent" to you, but prevent posting. I get error notification for these kinds of problems, and I try to work them out. However, I may miss one, and on this end, the process is anything BUT automatic.

You have a bigger stick than I do. You and your ISP have the primary responsibility to repair the problems caused by the change at the ISP. I have zero leverage with your ISP, and you have great leverage.

Most ISP maintain a customer service department to help with problems like these. This should be your first line of support for email problems. I am happy to assist and consult, but try to understand that when your ISP makes a change to their email handler, and that change prevents you from posting to the boatanchors list, I can help, but resolving this problem is your responsibility, working with your ISP. I am but a volunteer, contributing my time to administer the list.

Thank you for your attention.
--
73
Jack, W4KH/Mobile - - - BoatAnchor Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
 "Il n'y a que les idiots qui ne changent jamais d'idee"
Wed May 17 11:15:00 CDT 2000

Message-ID: <3922EC15.EC95A3C0@lobo.net>

Date: Wed, 17 May 2000 11:59:50 -0700
From: "Herbert M. Rosenthal" <herbrose@lobo.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: My query about operating 24v relays on 12v
Content-Type: multipart/alternative;
 boundary="------------10F209FAD950C042EFE8D057"

--------------10F209FAD950C042EFE8D057
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit

Thanks to all who responded to my question. Some of you have asked that I share the responses, so here goes:

1. The consensus was to use a large capacitor, held across the supply with de-energized contacts (NC), and switched by the relay contacts to be in series with the 12 volt supply, to give a 24 volt pull in voltage, then to hold the relay closed with the 12v supply voltage alone.

While this may work in some applications, it won't work for me, as the relays I'm using, DPDT type PRD, won't hold at half voltage, and also, one set of the the contacts of this relay are used to switch rf to antennas in a remote switching box on my tower. I tested one of these relays on the bench, and I wouldn't feel happy with the contact closure with anything less than about 18 volts holding voltage to the coil, to insure good contact.. and good contact wiping (to remove contact oxidation) when the relay closes and opens.

Further, a resistor should probably be added to the charging circuit to preclude a totally discharged capacitor from being slammed across the supply.. a lot of current flows without the current-limiting resistor, possibly pitting (or even welding) the contacts. Then, with a resistor included, I'd have a time delay in charging the cap, so the relay could not be operated repeatedly without time delay between operations.

2. Some of you agreed that half-voltage isn't a good design... and I certainly concur.

3. I have a small 12 volt gel cell-about 2 amp-hour rating, and will use this with a relay to keep it floating, along with the 12v 26 AH battery that will run everything else. When I turn the 'big switch' on to operate, the relay will simply put the two batteries in series for the needed 24 volts for the antenna box, leaving everything else to run on the 26AH battery.

On a related subject, I ran (Y2K practice) my 100w Yaesu rig on the 12v 2AH battery, on cw, for hours and hours, before the power started dropping. I contacted PowerSonic, and they allowed that a peak current of 10-15 times the AH rating for low duty cycles is an acceptable application. They cited the use of their batteries in computer UPS supplies, where 5 minutes or so of save-and-shut down time is sufficient, and the 120v inverter is drawing many times the AH rating. Charts in their catalog verify this.

When is a UPS really a UPS? That's another story, and as a graduate of the EXIDE UPS factory school, years back (100KVA and up), I'm surprised that the shoebox-size UPS products that we use-or should use-on our computers, are called UPS. They're not. But, hey, they work for their intended application.

But I digress. Thanks again to all who took time to answer my question.

Herb Rosenthal W5AN
herbrose@lobo.net

--------------10F209FAD950C042EFE8D057
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

* *
* ---REMAINDER OF MESSAGE TRUNCATED--- *
* This post contains a forbidden message format *
* (such as an attached file, a v-card, HTML formatting) *
* Mail Lists at theporch.com only accept PLAIN TEXT *
* If your postings display this message your mail program *
* is not set to send PLAIN TEXT ONLY and needs adjusting *
* *

--------------10F209FAD950C042EFE8D057--

Message-ID: <008901bfc02e57448480caab93cb@ronc>
From: "ron croucher vk4cro" <roncroucher@powerup.com.au>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Fw: 3cx1200a7 needed
Date: Thu, 18 May 2000 04:33:03 +1000
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

all the best ,keep well
ron & jenny
----- Original Message -----
From: ron croucher vk4cro
To: boatanchors@theporch.com
Sent: Saturday, January 29, 2000 3:23 AM
Subject: 3cx1200a7 needed

hi Gang,I recently came across an ameritron al1200 amp.
after removing a coffe mug of ash and chimney in 2 pieces
the largest coil sagged by 2 inches and all the plastic
supports melted out Im finally got time to get it back in action
Any clues on where I could get pullout tube for this amp or
best source for supplier??
all the best de ron cro vk4cro

Date: Wed, 17 May 2000 17:14:32 -0700 (PDT)
From: Randy Zelick <rzelick@inetarena.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: boatanchors@theporch.com
Subject: connectors needed
Message-ID: <Pine.LNX.4.10.10005171709230.29552-100000@inetarena.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi folks,

I'm looking for two connectors. Can ya help????

#1

A 27 pin cable mount female that mates with the connector on a C-87/ART-13
control box.

#2

The power input connector, also cable mount, for a PP-109 power supply.
This is one of the supplies that runs a RT-66/67/68 transceiver.

In either case I would be happy to have a complete cable assembly, but
just the connector is equally appreciated. Suitable compensation will be
immediately forthcoming!

Cheers,

=Randy=
WB6MAI

Randy Zelick
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Portland State University Portland, OR 97232
1719 SW 10th Ave, Room 246 503-731-0956
Portland, OR 97201 rzelick@inetarena.com
503-725-3086 (voice)
503-725-3888 (fax)
h2rz@odin.cc.pdx.edu

Message-Id: <200005180125.VAA01270@tisch.mail.mindspring.net>
Date: Wed, 17 May 2000 18:30:35 +0100
Subject: Dead VOM
From: "John Gibson" <gibsonj@mindspring.com>
To: Old Tube Radios <boatanchors@theporch.com>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Have a clean Simpson 260 series 6 VOM with an open meter movement. Is it worth $10 to someone ? (which includes shipping). No internal corrosion, pointer needle is not bent.

End of BOATANCHORS Digest 2895
